

CHAPTER 1

ESSENTIAL PRELIMINARIES

The goal of Chapters 1 and 2 is to *review*, and to expose you to some new views of old ideas. In addition, elements of the language of mathematics are developed that will be needed throughout the course.

It is imperative that Chapter 1 be covered thoroughly, since it provides the foundational language issues on which the rest of the text builds. Instructors and students alike will probably find the flavor of Chapter 1 to be very nontraditional, because language issues are rarely emphasized in lower level mathematics courses.